

1) What is the name of your company's blood banking product?

2) What year did it first appear on the market?

3) Is the product FDA cleared or approved?

4) What is the product's main function?

5) What blood-banking needs does this product fulfill (check all that apply)?

6) If you answered "other," explain briefly (150 characters, including spaces).

7) Does the product include automation features or options?

8) Does the product interface with laboratory information systems or middleware?

9) Does the product have unit/donation tracking capabilities?

10) How can the product be acquired?

11) What is the cost of the product?

12) What capabilities, features, or accessories distinguish this product from others on the market?

Beckman Coulter Brea, Calif (800) 526-3821; www.beckmancoulter.com	BioArray Solutions (a subsidiary of Immucor Inc) Norcross, Ga (855) 466-8267; www.immucor.com	Bio-Rad Laboratories Inc Hercules, Calif (800) 224-6723; www.bio-rad.com
PK7300 automated microplate system	PreciseType HEA test	Tango optimo
2004	2014	2006
Yes	FDA approved (PMA)	Yes
Blood donor screening for blood grouping and typing, including weak D testing, Rh-Kell phenotyping, syphilis (TP), and cytomegalovirus qualitative screening.	Detects 35 antigens and three phenotypic variants from 11 blood groups simultaneously, plus HgbS (not intended for diagnosis of SCD, but useful in selection of appropriate units). Predicts blood compatibility between donors and patients. Enables blood centers to identify and maximize appropriate use of donor blood containing rare antigens.	Fully automated random access system for blood group serology assays
<input type="checkbox"/> Antibody testing <input type="checkbox"/> Component separation <input type="checkbox"/> Blood or component handling/tracking <input type="checkbox"/> Blood or component storage <input type="checkbox"/> Donation acquisition <input type="checkbox"/> Information management <input type="checkbox"/> Pathogen/contaminant testing <input type="checkbox"/> Regulatory/accreditation compliance <input type="checkbox"/> Typing/crossmatching <input type="checkbox"/> Compatibility for organ donation <input checked="" type="checkbox"/> Other	<input checked="" type="checkbox"/> Antibody testing <input type="checkbox"/> Component separation <input type="checkbox"/> Blood or component handling/tracking <input type="checkbox"/> Blood or component storage <input type="checkbox"/> Donation acquisition <input type="checkbox"/> Information management <input type="checkbox"/> Pathogen/contaminant testing <input checked="" type="checkbox"/> Regulatory/accreditation compliance <input checked="" type="checkbox"/> Typing/crossmatching <input type="checkbox"/> Compatibility for organ donation <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Antibody testing <input type="checkbox"/> Component separation <input type="checkbox"/> Blood or component handling/tracking <input type="checkbox"/> Blood or component storage <input type="checkbox"/> Donation acquisition <input type="checkbox"/> Information management <input type="checkbox"/> Pathogen/contaminant testing <input type="checkbox"/> Regulatory/accreditation compliance <input checked="" type="checkbox"/> Typing/crossmatching <input type="checkbox"/> Compatibility for organ donation <input checked="" type="checkbox"/> Other
Donor blood grouping and typing, including weak D testing, Rh-Kell phenotyping, syphilis (TP), and cytomegalovirus qualitative screening.		ABO/Rh; Rh and Kell phenotyping; ABO donor confirmation; Rh donor confirmation; antibody screening; antibody identification; direct antiglobulin test; IgG crossmatch; Weak D
Yes	Yes	Yes
Yes	Yes in 2015	Yes
No	No	No
<input checked="" type="checkbox"/> Purchase <input type="checkbox"/> Lease <input type="checkbox"/> Per-use payment or ASP	<input checked="" type="checkbox"/> Purchase <input type="checkbox"/> Lease <input checked="" type="checkbox"/> Per-use payment or ASP	<input checked="" type="checkbox"/> Purchase <input checked="" type="checkbox"/> Lease <input type="checkbox"/> Per-use payment or ASP
Contact a local sales representative	Pricing information is available from an Immucor sales representative.	Pricing is available from a Bio-Rad account executive
Uses exclusive microplate agglutination technology for blood donor screening. Offers fully automated simultaneous testing for ABO/Rh, including weak D, cytomegalovirus testing, and syphilis screening, with a throughput of 300 samples per hour.	The first and only FDA-approved molecular RBC assay. A multiplex test that covers antigens with no serology reagents. Accurate even with multiple RBC populations in sample. CPT code 81403; no confirmatory test needed.	The only fully automated, random access benchtop system for blood group serology assays with 7-day onboard reagent storage.

Helmer Noblesville, Ind (317) 773-9073; www.helmerinc.com	Helmer Noblesville, Ind (317) 773-9073; www.helmerinc.com	HemoCue America Angelholm, Sweden (800) 881-1611; www.hemocue.us	MedMira Inc Halifax, Nova Scotia, Canada (902) 450-1588, ext 110; www.medmira.com
Blood bank refrigerators (available in i.Series and Horizon series)	Plasma freezers (available in i.Series and Horizon series)	HemoCue Hb 301 analyzer	Miriad Rapid HbC/HIV/HCV antibody test
2000	2004	2007	2013
Class II, 510(k)-exempt	Class II, 510(k)-exempt	FDA-cleared	No
Store blood products at 4°C with temperature uniformity and quick recovery times. Provide security and monitoring for storing blood products. The i.Series units offer information via multiple information logs, event acknowledgement, and downloading via a full-color touch screen. Refrigerators are available from 66-blood-bag to 1,008-blood-bag capacity.	Store plasma at -30°C with superior chamber temperature uniformity and quick recovery times. Provide security and monitoring for storing blood products. The i.Series units provide multiple information logs, event acknowledgement, and downloading via full-color touch screen. Freezers are available from 44-plasma-box to 464-plasma-box capacity.	Optimized for anemia screening in blood donation settings. Provides access to lab-quality results even in demanding climates with high temperatures and humidity.	Initial screening of donors for HIV and Hepatitis B and C
<input type="checkbox"/> Antibody testing <input type="checkbox"/> Component separation <input type="checkbox"/> Blood or component handling/tracking <input checked="" type="checkbox"/> Blood or component storage <input type="checkbox"/> Donation acquisition <input type="checkbox"/> Information management <input type="checkbox"/> Pathogen/contaminant testing <input type="checkbox"/> Regulatory/accreditation compliance <input type="checkbox"/> Typing/crossmatching <input type="checkbox"/> Compatibility for organ donation <input type="checkbox"/> Other	<input type="checkbox"/> Antibody testing <input type="checkbox"/> Component separation <input type="checkbox"/> Blood or component handling/tracking <input checked="" type="checkbox"/> Blood or component storage <input type="checkbox"/> Donation acquisition <input type="checkbox"/> Information management <input type="checkbox"/> Pathogen/contaminant testing <input type="checkbox"/> Regulatory/accreditation compliance <input type="checkbox"/> Typing/crossmatching <input type="checkbox"/> Compatibility for organ donation <input type="checkbox"/> Other	<input type="checkbox"/> Antibody testing <input type="checkbox"/> Component separation <input type="checkbox"/> Blood or component handling/tracking <input type="checkbox"/> Blood or component storage <input checked="" type="checkbox"/> Donation acquisition <input type="checkbox"/> Information management <input type="checkbox"/> Pathogen/contaminant testing <input type="checkbox"/> Regulatory/accreditation compliance <input type="checkbox"/> Typing/crossmatching <input type="checkbox"/> Compatibility for organ donation <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Antibody testing <input type="checkbox"/> Component separation <input type="checkbox"/> Blood or component handling/tracking <input type="checkbox"/> Blood or component storage <input type="checkbox"/> Donation acquisition <input type="checkbox"/> Information management <input type="checkbox"/> Pathogen/contaminant testing <input type="checkbox"/> Regulatory/accreditation compliance <input type="checkbox"/> Typing/crossmatching <input type="checkbox"/> Compatibility for organ donation <input type="checkbox"/> Other
No	No	Results can be downloaded to electronic donor record.	No
No	No	No	No
No	No	No	No
<input checked="" type="checkbox"/> Purchase <input type="checkbox"/> Lease <input type="checkbox"/> Per-use payment or ASP	<input checked="" type="checkbox"/> Purchase <input type="checkbox"/> Lease <input type="checkbox"/> Per-use payment or ASP	<input checked="" type="checkbox"/> Purchase <input type="checkbox"/> Lease <input type="checkbox"/> Per-use payment or ASP	<input checked="" type="checkbox"/> Purchase <input type="checkbox"/> Lease <input type="checkbox"/> Per-use payment or ASP
Costs depend upon the series, model, and features.	Costs depend upon the series, model, and features.	Contact HemoCue	\$650
Available in a high-level, advanced security/monitoring model, and a general-purpose model. Attention to detail, with features like scratch-guard protectors, tube guards, recessed floors for containment of spills, sure-grip door handles, and sure-seal closing doors.	Available a high-level, advanced security/monitoring model, and a general-purpose model. Attention to detail, with features like Cold-Shield system, Easy-Glide stainless steel drawer slides and standards, programmable defrost, recessed floors for containment of spills, and sure-seal door system with magnetic latch.	Provides lab-accurate test results at the point of care within 10 seconds; 3-year analyzer warranty; HemoCue microcuvettes have 1-year shelf life after package opening.	Rapid multiplex screening test for three diseases; instant results; portable; room-temperature storage; uses MedMira Rapid Vertical Flow technology.

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	Roche Diagnostics	Separation Technology Inc (an EKF Diagnostics company)	Streck
	Indianapolis (800) 428-5076; www.usdiagnostics.roche.com	Sanford, Fla (800) 777-6668; www.separationtechnology.com	Omaha, Neb (800) 843-0912; www.streck.com
	Cobas s 201 system	UltraCrit	Sickle-Chex
	2003	2006	2002
	FDA approved	510(k)-cleared	Yes
	Automated nucleic acid testing platform used to screen a variety of donors for infectious diseases. The system runs the TaqScreen DPX, MPX, and West Nile virus tests.	Measures hematocrit	Positive and negative whole blood control to test for the presence of hemoglobin S in solubility tests and hemoglobin electrophoresis.
	<input type="checkbox"/> Antibody testing <input type="checkbox"/> Component separation <input type="checkbox"/> Blood or component handling/tracking <input type="checkbox"/> Blood or component storage <input type="checkbox"/> Donation acquisition <input type="checkbox"/> Information management <input checked="" type="checkbox"/> Pathogen/contaminant testing <input type="checkbox"/> Regulatory/accreditation compliance <input type="checkbox"/> Typing/crossmatching <input type="checkbox"/> Compatibility for organ donation <input checked="" type="checkbox"/> Other	<input type="checkbox"/> Antibody testing <input type="checkbox"/> Component separation <input type="checkbox"/> Blood or component handling/tracking <input type="checkbox"/> Blood or component storage <input type="checkbox"/> Donation acquisition <input type="checkbox"/> Information management <input type="checkbox"/> Pathogen/contaminant testing <input type="checkbox"/> Regulatory/accreditation compliance <input type="checkbox"/> Typing/crossmatching <input type="checkbox"/> Compatibility for organ donation <input checked="" type="checkbox"/> Other	<input type="checkbox"/> Antibody testing <input type="checkbox"/> Component separation <input type="checkbox"/> Blood or component handling/tracking <input type="checkbox"/> Blood or component storage <input type="checkbox"/> Donation acquisition <input type="checkbox"/> Information management <input type="checkbox"/> Pathogen/contaminant testing <input checked="" type="checkbox"/> Regulatory/accreditation compliance <input type="checkbox"/> Typing/crossmatching <input type="checkbox"/> Compatibility for organ donation <input type="checkbox"/> Other
	Nucleic acid testing	Donor screening	
	Yes, the system offers automated pooling, automated sample preparation, and automated real-time PCR.	No	No
	Yes	Yes	No
	Yes	No	No
	<input checked="" type="checkbox"/> Purchase <input checked="" type="checkbox"/> Lease <input checked="" type="checkbox"/> Per-use payment or ASP	<input checked="" type="checkbox"/> Purchase <input type="checkbox"/> Lease <input type="checkbox"/> Per-use payment or ASP	<input checked="" type="checkbox"/> Purchase <input type="checkbox"/> Lease <input type="checkbox"/> Per-use payment or ASP
	Varies depending on contract.	Depends on quantity purchased	Contact Streck
	The system offers the most comprehensive nucleic acid testing menu on an automated, standardized platform, providing tests to detect B19V, HAV, HBV, HCV, HIV-1, HIV-2, and WNV.	Uses ultrasound technology to measure hematocrit. High accuracy and precision are the primary benefits of this technology. It also significantly reduces user subjectivity. Easy care supplies reduce quality issues and staff time.	Packaged in 2.5-mL squeeze dropper vials; no pipetting is required. The product does not require reconstitution prior to use, allowing it to be utilized like a patient sample.

Streck	Sysmex America Inc	Sysmex America Inc	Thermo Fisher Scientific
Omaha, Neb (800) 843-0912; www.streck.com	Lincolnshire, Ill (866) 779-7639; www.sysmex.com	Lincolnshire, Ill (866) 779-7639; www.sysmex.com	Waltham, Mass (781) 622-1000; www.thermoscientific.com
Sickledex	Sysmex XE-2100D automated hematology analyzer	Sysmex pocH-100i	Smart-Vue wireless monitoring solution
2003	2009	2004	2012
Yes	Yes	Yes	Yes
Qualitative solubility test kit to detect the presence of sickling hemoglobins in human blood or sickle cell control material.	Multiparameter hematology analyzer for use as quality control. Release testing of postprocessed red blood cell and platelet components collected using a variety of anticoagulants.	Multiparameter hematology analyzer that can be used in donor centers for precollection HGB, HCT, and platelet counts.	Provides 24/7 wireless monitoring of critical lab equipment parameters and instant notification about potential threats, while securely logging data that can be accessed via the Internet. Intelligently uses globally recognized radio frequency transmissions for data logging and assists with logging compliance to regulatory requirements, such as FDA and GxP.
<input type="checkbox"/> Antibody testing <input type="checkbox"/> Component separation <input type="checkbox"/> Blood or component handling/tracking <input type="checkbox"/> Blood or component storage <input checked="" type="checkbox"/> Donation acquisition <input type="checkbox"/> Information management <input type="checkbox"/> Pathogen/contaminant testing <input type="checkbox"/> Regulatory/accreditation compliance <input type="checkbox"/> Typing/crossmatching <input type="checkbox"/> Compatibility for organ donation <input type="checkbox"/> Other	<input type="checkbox"/> Antibody testing <input type="checkbox"/> Component separation <input type="checkbox"/> Blood or component handling/tracking <input type="checkbox"/> Blood or component storage <input type="checkbox"/> Donation acquisition <input type="checkbox"/> Information management <input type="checkbox"/> Pathogen/contaminant testing <input type="checkbox"/> Regulatory/accreditation compliance <input type="checkbox"/> Typing/crossmatching <input type="checkbox"/> Compatibility for organ donation <input checked="" type="checkbox"/> Other	<input type="checkbox"/> Antibody testing <input type="checkbox"/> Component separation <input type="checkbox"/> Blood or component handling/tracking <input type="checkbox"/> Blood or component storage <input type="checkbox"/> Donation acquisition <input type="checkbox"/> Information management <input type="checkbox"/> Pathogen/contaminant testing <input type="checkbox"/> Regulatory/accreditation compliance <input type="checkbox"/> Typing/crossmatching <input type="checkbox"/> Compatibility for organ donation <input checked="" type="checkbox"/> Other	<input type="checkbox"/> Antibody testing <input type="checkbox"/> Component separation <input checked="" type="checkbox"/> Blood or component handling/tracking <input type="checkbox"/> Blood or component storage <input type="checkbox"/> Donation acquisition <input checked="" type="checkbox"/> Information management <input type="checkbox"/> Pathogen/contaminant testing <input type="checkbox"/> Regulatory/accreditation compliance <input type="checkbox"/> Typing/crossmatching <input type="checkbox"/> Compatibility for organ donation <input type="checkbox"/> Other
	Cell counting QC requirements for RBC and platelet products	Cell counting for donor prepheresis platelet counts and for RBC donor HGB and HCT measurements	
No	Yes, automated sample processing	Yes, automated sample processing	Yes
No	Yes	Yes	Yes
No	No	No	Yes
<input checked="" type="checkbox"/> Purchase <input type="checkbox"/> Lease <input type="checkbox"/> Per-use payment or ASP	<input checked="" type="checkbox"/> Purchase <input checked="" type="checkbox"/> Lease <input type="checkbox"/> Per-use payment or ASP	<input checked="" type="checkbox"/> Purchase <input checked="" type="checkbox"/> Lease <input type="checkbox"/> Per-use payment or ASP	<input checked="" type="checkbox"/> Purchase <input type="checkbox"/> Lease <input type="checkbox"/> Per-use payment or ASP
Contact Streck	Pricing can be obtained from a Sysmex representative.	Pricing can be obtained from a Sysmex representative.	Costs depend upon the series, model, and features.
Packaged with two separate squeeze bottles of phosphate buffer with saponin. Kits also contain two buffer dispensing caps and two vials of sodium hydrosulfite reagent powder. Results are available in 6 minutes.	Automated sample processing; ISBT barcode-compatible; customized reports; blood center-specific peer review QC reports; specific high-end platelet control.	Compact, mobile analyzer; discrete parameter reporting; directly measured HCT; 15 µL sample size.	Features audit trail traceability; assists with conformance to 21 CFR part 11 and other regulatory requirements.