ClearPoint DIAGNOSTIC LABORATORIES

At the ConVergence Center | 2501 South State Highway 121 Business | Suite 1200
Lewisville, TX 75067-8188 |Phone: 972.966.7700 | Fax: 972.966.7799
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LAB ALERT – NEW TEST

NOTIFICATION DATE: 1/30/2014
EFFECTIVE DATE: 2/13/2014

INDIRECT COOMBS WITH REFLEX TO IDENTIFICATION, NON-PRENATAL

NEW TEST CODE: ABSCRN

INTERFACE CODE: 1004492

OLD TEST CODE TO BE DEACTIVATED: ABDRBC

OLD INTERFACE CODE TO BE DEACTIVATED: 1003700

METHODOLOGY: Manual Tube Method

CLINICAL UTILITY: The Indirect Coombs Test (IAT) is used to detect red cell antibodies in patient serum. In clinical practice this is referred to as the "antibody screen" and is part of the type and screen procedure. Approximately 5% of patients have a positive IAT due to IgG antibodies, IgM antibodies, or both. Most clinically significant alloantibodies are IgG antibodies that react best at 37C and are formed as a result of previous exposure via transfusion or pregnancy. Examples include antibodies to Rh, Kell, Kidd, and Duffy red cell antigens. IgM antibodies are usually not clinically significant (except for ABO antibodies) but are a source of in-vitro serologic difficulty that may delay transfusion. Examples include antibodies to the Lewis, I, P, M, and N red cell antigens. IgM antibodies react best at cold temperatures (4C) and are usually naturally occurring in that they do not require a sensitizing event.

The IAT (antibody screen) is performed by incubating patient serum with reagent screening red cells for approximately 20 minutes and then observing for agglutination. If the antibody screen is positive, additional testing is required to determine the specificity of the antibody.

PERFORMED: Monday-Friday; must be received by 12:00 PM for same day testing

COLLECTION: Lavender top tube (EDTA) **AND** plain red top tube. Completely fill both tubes. 10 mL lavender (Min: 5 mL) and 10 mL plain red (Min: 7 mL)

Note: This test is for Non-Prenatal collections only.

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SPECIMEN PREPARATION:	Transport **both** tubes uncentrifuged. Send the entire lavender top tube **AND** the entire red top tube. Do NOT send aliquoted whole EDTA blood or aliquoted serum. **REMARKS**: If the indirect coombs is positive, both tubes are required for antibody identification. If only one tube is received, the indirect coombs will be performed. However, if the result is positive and only 1 tube is received, no identification will be performed and only the positive result will be reported.
STABILITY (FROM COLLECTION TO INITIATION OF TESTING):	Ambient: 72 hours; Refrigerated: 1 week; Frozen: Unacceptable
TRANSPORT:	Refrigerated.
REFERENCE RANGE:	Negative.
RESULTS REPORTED:	**Screen:** 1-4 days **Identification if reflexed from positive screen:** an additional 3–6 days may be required to identify antibodies.
CPT CODE(S):	**Screen:** 86850 **Identification:** 86900, 86901, 86880, 86870x3, 86906, and additional charges as required for ID.
PERFORMING LAB:	**Screen:** ClearPoint Diagnostic Laboratories **Identification:** ARUP Laboratories
ORDER / CONTACT INFORMATION:	ClearPoint Client Services: 972-966-7700; Fax 972-966-7799 Thomas P. Lohmann, MD: 972-966-7135

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Chief Medical Officer