



Dear CBDI Clinical Laboratory Clients:

This notice is to alert you to a change in the reference ranges for the Natural Killer Cell Function Assay (NK Function, Test #2900800), effective 12/22/2020. The new ranges for both the % Cytotoxicity and the Lytic Units are featured in the table below. Notification of these changes will also be reflected on the individual result reports that you will receive.

Result	Reference Range
% Cytotoxicity 50:1*	$\geq 7.8\%$
% Cytotoxicity 25:1	$\geq 3.0\%$
% Cytotoxicity 12:1	$\geq 1.0\%$
% Cytotoxicity 6:1	$\geq 0.0\%$
NK Lytic Units	≥ 1.0

*Reflects % cytotoxicity for the effector: target ratio

We would also like to take this opportunity to remind our clients that alternative screening tests, perforin and CD107a, have demonstrated superior diagnostic accuracy for detecting Familial HLH disorders and pigmentary disorders associated with HLH. These tests should be considered in place of NK Cell Function Testing if used for screening purposes (Rubin et al, Blood, 2017, 129(22):2993-2999).

Please feel free to contact us if you have any questions, and we hope that you have a safe and happy holiday season!

Thank You,
The Cincinnati Children's Diagnostic Immunology Laboratory

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