

## ALLERGY TESTING

# Innovative testing for chronic urticaria



Chronic urticaria is a disorder where urticaria occurs without an identifiable provoking factor and can last for more than six weeks, greatly impacting a patient's quality of life.<sup>1,2</sup> It is thought that chronic urticaria may involve an autoimmune process resulting in mast cell activation, histamine release and wheal formation.<sup>1,3</sup>

Diagnosing autoimmune chronic urticaria involves clinical evaluation, diagnostic criteria and various testing methods. Diagnostic testing of chronic urticaria can help clinicians<sup>4</sup>:

- Confirm the diagnosis and rule out differential diagnoses
- Look for underlying causes, helping a patient avoid triggers
- Identify comorbidities
- Help predict the disease course and treatment response
- Monitor the disease

### Labcorp's pooled donor basophil activation testing (PD-BAT)

To help support a differential diagnosis and ongoing patient monitoring, Labcorp offers the pooled donor basophil activation test for autoimmune chronic urticaria. Using proprietary, patent-pending methodology for selecting and pooling donors, this assay provides reliable, reproducible basophil activation assessment to help clinicians confidently develop effective management plans.<sup>5</sup>

#### Test advantages<sup>5</sup>:



- Increased accuracy and precision over standard basophil activation testing



- A more consistent, reliable assessment for increased confidence



- No interferences from antihistamines or corticosteroids—patients can stay on their medication

This test was developed and its performance characteristics determined by Labcorp. It has not been cleared or approved by the Food and Drug Administration.

## Test order Information:

Test Name	Test No.	Description
Chronic Urticaria - Pooled Donor Basophil Activation Testing (PD-BAT)	<b>505800</b>	<ul style="list-style-type: none"><li>Chronic Urticaria PD-BAT</li></ul>
Chronic Urticaria Evaluation Profile	<b>505805</b>	<p>Includes:</p> <ul style="list-style-type: none"><li>Chronic Urticaria PD-BAT</li><li>Complete Blood Count (CBC) With Differential, Reflex to Peripheral Smear Review</li><li>Sedimentation Rate, Modified Westergren</li><li>C-Reactive Protein (CRP), Quantitative</li><li>Alanine Aminotransferase (ALT/SGPT)</li><li>Thyroid-stimulating Hormone (TSH)</li><li>Thyroid Peroxidase (TPO) Antibodies</li></ul>

### References

1. Zuberbier T, Abdul Latiff AH, Abuzakouk M, et al. The international EAACI/GA<sup>2</sup> LEN/EuroGuiDerm /APAAACI guideline for the definition, classification, diagnosis, and management of urticaria. *Allergy*. 2022 Mar;77(3):734-766.
2. Chronic Idiopathic Urticaria-CIU. Allergy & Asthma Network. Accessed January 10, 2025. <https://allergyasthmanetwork.org/chronic-urticaria/ciu/>
3. Baldini E, Odorisio T, Tuccilli C, et al. Thyroid diseases and skin autoimmunity. *Rev Endocr Metab Disord*. 2018 Dec;19(4):311-323.
4. Metz M, Altrichter S, Buttgerit T, Fluhr JW, et al. The Diagnostic Workup in Chronic Spontaneous Urticaria-What to Test and Why. *J Allergy Clin Immunol Pract*. 2021 Jun;9(6):2274-2283. doi: 10.1016/j.jaip.2021.03.049.
5. Wills S, Chavez J, Grover A, et al. PD-BAT: A novel approach of pooling basophil donors for expansion of commercial laboratory testing of Chronic Spontaneous Urticaria. *J Immunol Methods*. 2024 Jun;529:113679.

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