# **WEGO**





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**Single-use Receptacles For Human Arterial Blood Specimen Collection** 



Blood Gas Analysis can provide diagnosis and treatment criterion on respiratory system disease, circulation system disease and metabolic disease by monitoring the items of the arterial blood samples. It can reflect the capability of the body maintaining the internal environment and cell function and of vital importance for patients in monitoring the cardio-pulmonary function during and after the surgeries.

Hypoxaemia is a very common and life-threatening complication for patients. However, it can not be diagnosed or evaluated by analysing clinical symptoms and signs. BLOOD GAS ANALYSIS is the only and the most reliable index to make a diagnosis and evaluate the severity of the disease.

ACID-BASE Imbalance is as common as hypoxaemia in treatment for critical diseases. It is very important to make diagnosis and adjust the acid-base imbalance in time during treatment.

Blood Gas Analysis is also the only and the most reliable index to make a diagnosis and evaluate the acid-base balance situation.

What is human arterial blood gas analysis?



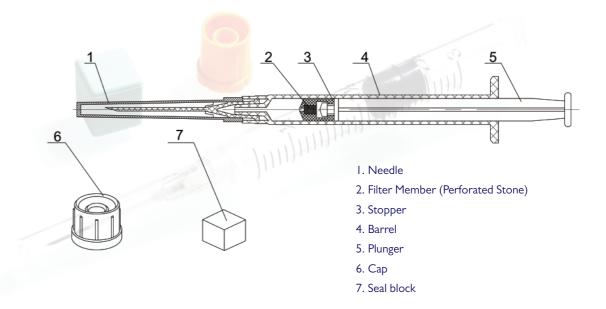
# Receptacles for Human Arterial Blood Specimen Collection

Is used on collecting arterial blood specimen for Human Arterial Blood Gas Analysis.

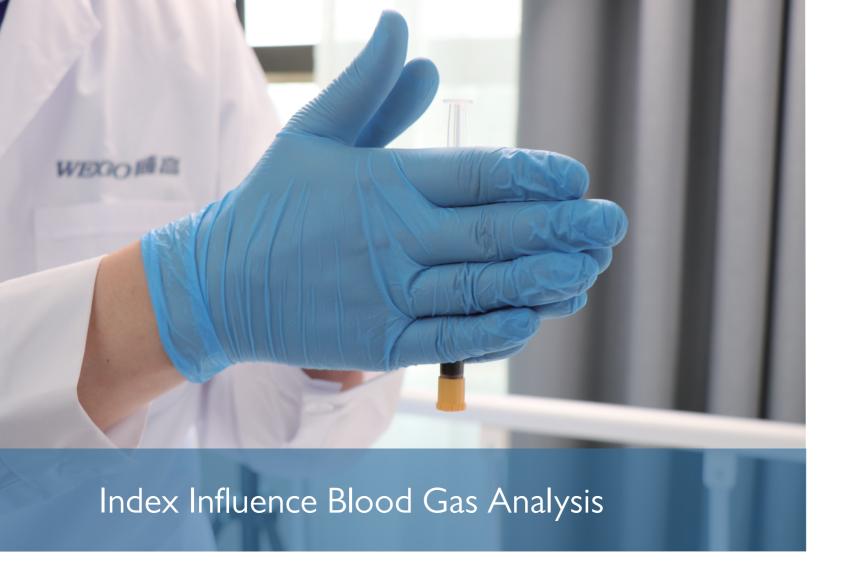
## Specification

Needle Size		Max. Volume	Application Scope	Package Size
22GX1"	(0.7X25mm)	3ml	Adult radial artery	100
22GX11/4"	(0.7X32mm)	3ml	Adult femoral artery	100
23GX1"	(0.6X25mm)	3ml	Radial artery. Thinner needle, less pain	100
23GX11/4"	(0.6X32mm)	3ml	Femoral artery. Thinner needle, less pain	100
23GX5/8"	(0.6XI6mm)	Iml	Children (5-15 years old)	100
25GX5/8"	(0.5X16mm)	Iml	Infant	100

## Components of Arterial Blood Gas Syringe



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# How Can WEGO Receptacles for Human Arterial Blood Specimen Collection HELP US?

Use calcium-balanced heparin lithium as anticoagulant

Blood collection with default value, very convenient to operate

New medical device in arterial blood specimen collection

#### Gas Diffusion

If the blood sample can not be separated from the outer atmosphere completely, the index of PO2 will increase rapidly resulted in gas diffusion.

#### Friction Of The Syringe Internal

The fiction of the syringe internal surface is relatively large, which means the needle will be easily moved when pulling the plunger outwards of the syringe. This operation is particularly dangerous when collecting arterial blood samples. It may also result in gas diffusion and detection errors.

#### Interference Caused By Diluted Anticoagulation

In the past, medical staffs usually take prepared sodium heparin solution as anticoagulant. It can dilute the blood sample and change the value of the index.

#### Anticoagulant Effect

The sodium heparin is a kind of biological active reagent. If the blood sample can not be anticoagulated completely within a certain period of ztime, then clots will form inside the samples and can easily block the automatica machine and infuluence the detection.

#### Sharper needle point

The special grinding and lubrication technology can ease the pain from the patients.

#### Self-venting Function

This function can make sure that the air inside the syringe being exhauted completely after arterial blood entering during arterial puncture.

#### Hermetic type

The arterial blood will block the system when getting in touch with the piston. Prevent the air from getting inside.

#### Blood collection needle sealing

Optimized butyl rubber can seal the needle and prevent needle stick injuries.



#### rannarent needle seat

nurses to observe the blood return clearly and make accurate judgment on puncture.

#### Sprayed, solid calciumbalanced heparin lithium

The solid calcium-balanced heparin lithiun is sprayed equably inside the syringe, which can make sure of the accuracy of the detected.

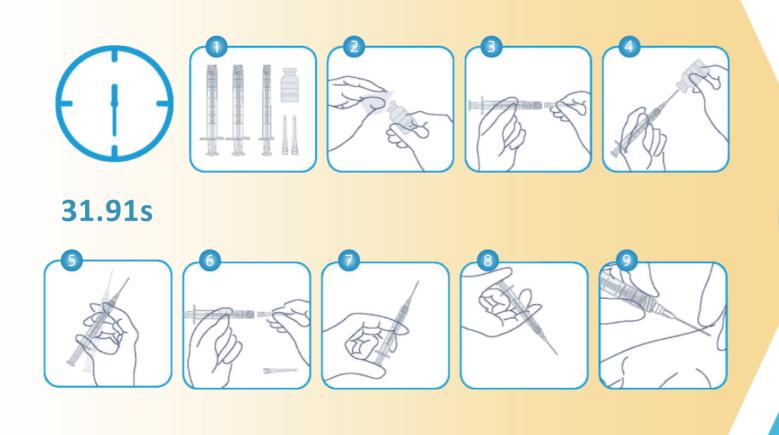
#### Conehead sealing cover

The double-layer design can seal the sample completely and isolate the air.

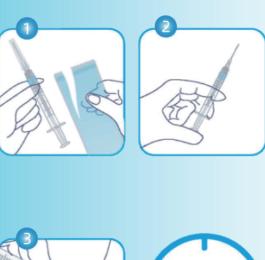
### Simplify the operation process

Save 80% operation time and simplify the operation process

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According to the study, the usage of WEGO receptacles for human arterial blood specimen collection can save as much as 80% time on operation.







## **Operation Method**

- Specification: Iml(default value 0.6ml) syringe with 24G(0.55×19mm) needle
- Specification: 3ml(default value 1.6ml) syringe with 22G(0.7×25mm) needle

#### Pull the plunger to the default value and perform Open the package and take out the syringe, Collect 1.6ml blood and pull remove the needle cover out the needle. Ask the patient to press the puncture Remove the needle and site for at least 5 minutes. cover the luer lock with 4 6 00:00:05 Rotate the syringe in your hand for at least I minute Seal the needle with the sealing and submit it for testing rubber placed on the table

# **Applied Department**





**Gynaecology & Obstetrics** 



Respiratory

**ICU / Emergency** 





Laboratory



**Operating room** 

**Pediatrics** 

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