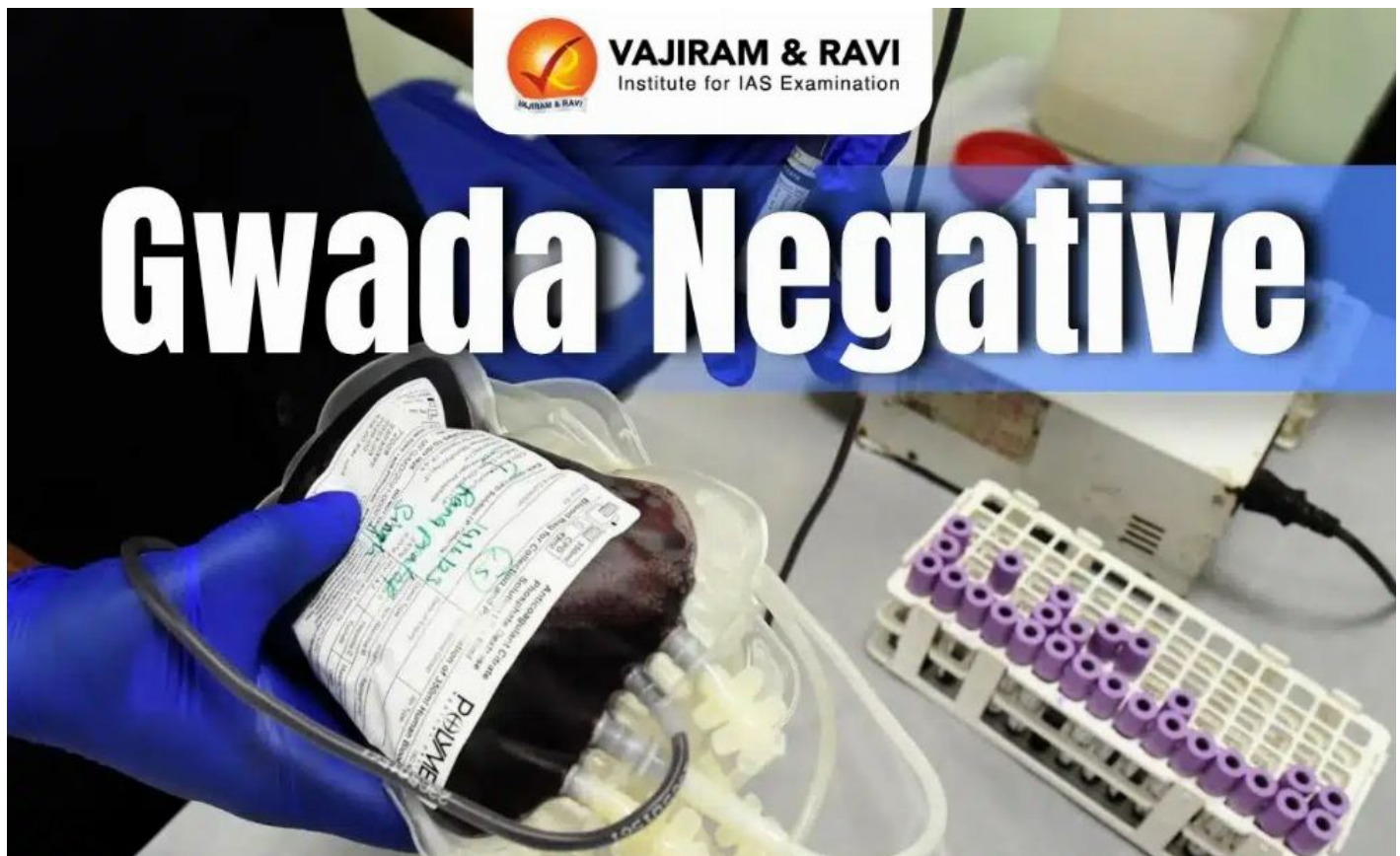


Gwada Negative

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Gwada Negative Latest News

Recently, France's national blood agency, the French Blood Establishment (EFS) has identified a completely new blood group system dubbed as "Gwada negative" which is officially recognised by the International Society of Blood Transfusion (ISBT).

About Gwada Negative

- It is named **EMM-negative** and colloquially dubbed "**Gwada negative**" in reference to the Guadeloupean origin of the woman who carries it.
- It is the informal name given to the newly classified **EMM-negative blood group system**, officially registered by ISBT as **ISBT042**.
- It is defined by the **absence of the EMM antigen**, which is normally **found on red blood cells** and is considered a **high-incidence antigen**.
- High-incidence antigens are present in nearly all humans but lacking in this new system which is extremely **rare and medically significant**.

- **Criteria to consider a new blood group a new system:** It should be **genetically determined**, inherited, identifiable via serological or molecular techniques, and have **an associated antibody** — criteria that EMM-negative meets.
- The identification of the **EMM-negative blood type adds** to the previously known 47 blood group systems, making it the **48th globally recognised system** in transfusion science.
- As of now, the **woman from Guadeloupe** is the **only known person** in the world to possess this blood type.
- Her case is especially unique because she inherited the mutated gene from both her mother and her father, each of whom likely carried a single copy of the rare gene variant. This dual inheritance led to a complete lack of the EMM antigen in her red blood cells.

Key Facts about International Society of Blood Transfusion

- It was **founded in 1935 in Paris**.
- **Headquarter:** Amsterdam
- **Functions:** It aids in the solution of scientific and practical problems in blood transfusion and also facilitates the development of closer ties among those concerned with such problems, and to promote **standardization of methods**, equipment, and norms for its field.

Source: TH

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