

Scientists develop new human stem cells with half a genome

Yahoo News - 12 days ago

A large, stylized white 'YAHOO!' logo is centered on a dark blue background. The letters are bold and have a slight 3D effect with shadows. The exclamation point is also large and white.

By Bill Berkrot NEW YORK ([Reuters](#)) - Scientists for the first time have generated a type of embryonic stem cell that carries a single copy of the human [genome](#) rather than the usual two, a development that could advance research in gene editing, genetic screening and regenerative medicine. Derived from a female egg, the stem cells are the first human cells known to be capable of cell division with just one copy of the parent cell's genome, according to a study appearing on Wednesday in the journal Nature. Human cells are considered diploid because they inherit two sets of [chromosomes](#), 23 from the mother and 23 from the father.

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