

# How to Split a String in Excel Using Multiple Delimiters

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Splitting a string in Excel based on multiple delimiters refers to the process of dividing a string of text into smaller segments using different characters or symbols as separators. This allows for easier manipulation and analysis of the data contained in the string. By using multiple delimiters, such as commas, spaces, or semicolons, the string can be broken down into specific sections or columns within the Excel spreadsheet. This feature is particularly useful when dealing with large amounts of data that need to be organized and sorted in a specific way.

## Excel: Split String Based on Multiple Delimiters

You can use the TEXTSPLIT function in Excel to split a string into multiple columns based on a specific delimiter.

To use the TEXTSPLIT function with multiple delimiters, you can use the following syntax:

```
=TEXTSPLIT(A2, {" ", "_", ",", ";"})
```

This particular example will split the text in cell A2 using a space, underscore, comma or semi-colon as a delimiter.

The following example shows how to use this formula in practice.

**Example: How to Split String Based on Multiple Delimiters in Excel**

**Suppose we have the following column of names in**

## Excel:

	A	B	C	D	E
1	<b>Name</b>				
2	Andy Bernard				
3	Bob_Erickson				
4	Chad_Davis				
5	Dean,Anderson				
6	Eric Wilbor				
7	Frank;Johnson				
8	George,Carl				
9	Henry_Miller				
10	Isaac King				
11	John;Freeman				
12					
13					
14					
15					
16					

**Notice that the first and last names are split by a variety of different delimiters, including:**

**Spaces ( )****Underscores ( \_ )****Commas ( , )****Semi-colons ( ; )**

**We can type the following formula into cell B2 to split the text in cell A2 based on any of these four delimiters:**

**=TEXTSPLIT(A2, {" ", "\_", ",", ";"})**

**We can then click and drag this formula down to each**

## remaining cell in column B:

	A	B	C	D	E	F
1	<b>Name</b>					
2	Andy Bernard	Andy	Bernard			
3	Bob_Erickson	Bob	Erickson			
4	Chad_Davis	Chad	Davis			
5	Dean,Anderson	Dean	Anderson			
6	Eric Wilbor	Eric	Wilbor			
7	Frank;Johnson	Frank	Johnson			
8	George,Carl	George	Carl			
9	Henry_Miller	Henry	Miller			
10	Isaac King	Isaac	King			
11	John;Freeman	John	Freeman			
12						
13						
14						
15						
16						

The formula splits the names in column A into two new columns by splitting the text based on either a space, an underscore, a comma or a semi-colon.

### How This Formula Works

Recall the formula that we used to split the text based on multiple delimiters:

**=TEXTSPLIT(A2, {" ", "\_", ",", ";"})**

**Here is how this formula works:**

**The first argument of the TEXTSPLIT function specifies the cell that contains the text to split.**

**The second argument of the TEXTSPLIT function uses curly brackets to create an array { } that contains the delimiters that should be used for splitting the text.**

**Notice that each of the delimiters are separated by commas.**

**The end result is that we're able to split each of the names in column A into two new columns based on any of the delimiters in the array.**

**The following tutorials explain how to perform other common operations in Excel:**